



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H140972

Mode: Highway

Status: Submitted

NC-107, US-23 BUS , US-23 BUS (East Main Street, Asheville Highway, West Main Street)

From/Cross Street: SR 1449 (Cope Creek Road)

Specific Improvement Type: 4 - Upgrade Arterial to Superstreet

To: SR 1783 (Council Circle)

Project Category: Regional Impact

Length: 0.99

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$11,951,000

Description:

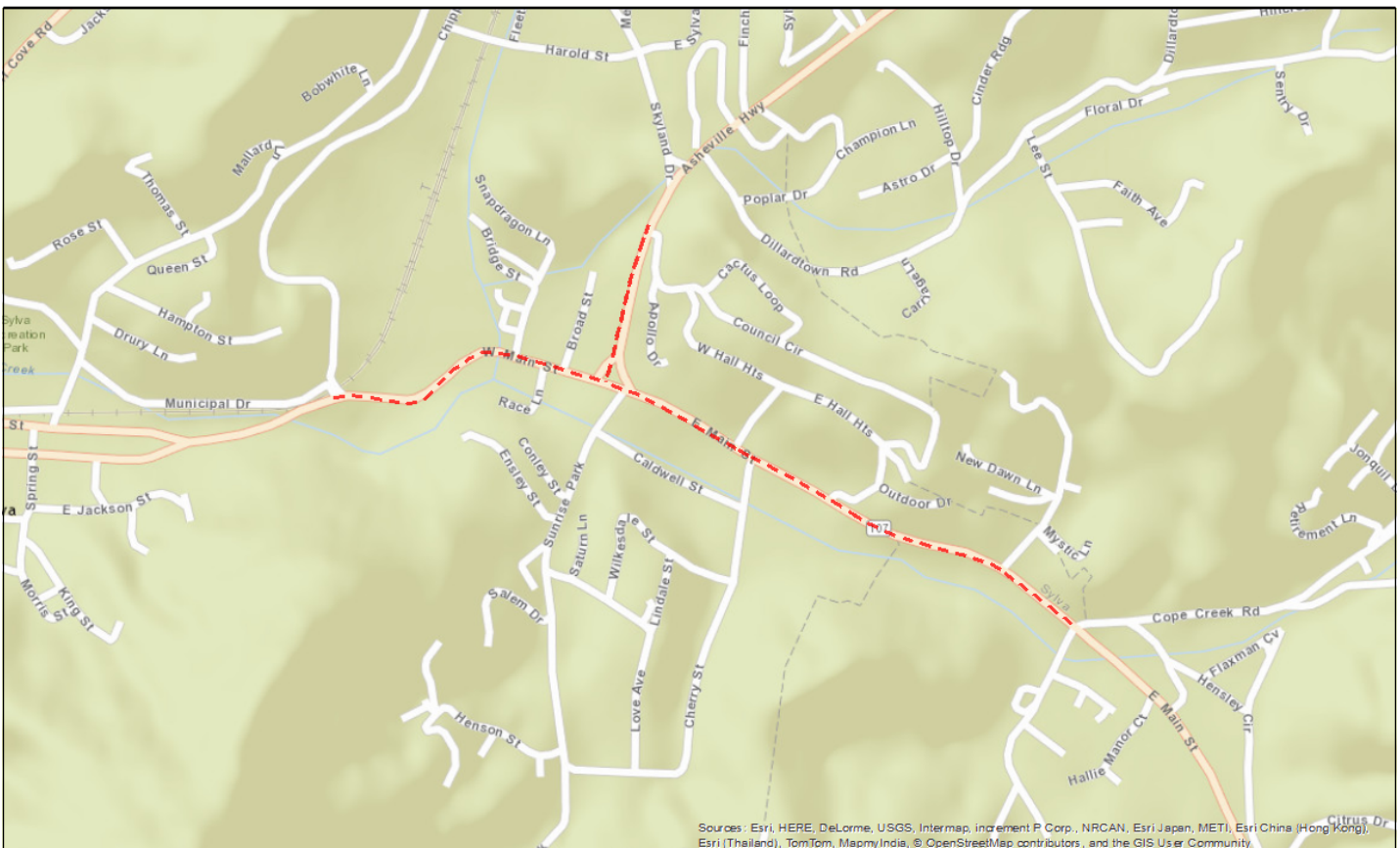
Widen roadway to include bicycle lanes, standard lane widths, raised median; upgrade traffic signals for two-phase coordinated operation, proved bulb-outs for U-turns.

Division(s): Division 14

County(s): JACKSON

MPOS(s)/RPO(s): Southwestern RPO

Project Location



Statewide Mobility Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Totals: Weight: 0% Weighted Score: 0	N/A	N/A

Regional Impact Total Score: 65.96

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 66.63	Percent: 15%	Percent: 15%
Safety (10%) 87.69	Points: 100	Points: 100
[Travel Time] Benefit/Cost (25%) 11.67		
Accessibility / Connectivity (10%) 76.15		
Totals: Weight: 70% Weighted Score: 35.96		

Division Needs Total Score: 74.43

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 66.63	Percent: 25%	Percent: 25%
Safety (10%) 87.69	Points: 100	Points: 100
[Travel Time] Benefit/Cost (20%) 11.67		
Totals: Weight: 50% Weighted Score: 24.43		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	35
Length (miles):	0.99
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
Lane Width:	11
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	Yes
Volume (AADT):	25384.92
Capacity:	26968.03
Volume/Capacity Ratio:	0.94
% Autos:	96%
% Trucks:	4%
Truck Volume:	917.77
Crash Density:	98.2
Crash Severity:	66.7
Critical Crash Rate:	98.2
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	1
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	19
Existing Median Type (for Cost Estimation):	TWLTL
Pavement Condition Rating:	90
Actual Congested Speed:	0
Travel Time Index:	

Project Benefits

Project Cross-Section:	4G - 4 Lane Divided (17'-6" Raised Median) with Curb & Gutter, Wide Outside Lanes, Bike Lanes, and Sidewalks
Speed Limit:	35
Length (miles):	0.99
Facility Type:	Superstreet
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	6246829.93
Travel Time Savings for 30 Years (Autos):	6020982.04
Travel Time Savings for 30 Years (Trucks):	225847.89
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	Yes
In CTP or LRTP?	Yes
CTP/LRTP Name:	Jackson County Comprehensive Transportation Plan
CTP/LRTP Completion Year:	2009
Submitted by:	Division 14

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT On!ine tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 14	100%	100	100
	0%	0	0
	0%	0	0
TOTAL Division Points		100	100

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Southwestern RPO	100%	100	100
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		100	100

Project Cost and Source

Construction Cost:	\$5,499,000	TIP Unit
Right-of-Way Cost:	\$5,761,000	TIP Unit
Utilities Cost:	\$691,000	TIP Unit
Total Project Cost:	\$11,951,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$11,951,000	